## EAST Search History

| Ref# | Hits    | Search Query   | DBs                                      | Default<br>Operator | Plurals | Time Stamp          |
|------|---------|--|--|---------------------|---------|---------------------|
| S1   | 6838    | 428/36.91 or 428/36.9<br>or 428/35.2 or<br>138/118 or 433/81 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | OFF     | 2008/03/04<br>11:05 |
| S2   | 2542    | S1 and polypropylene   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | OFF     | 2008/03/04<br>11:06 |
| S3   | 1140    | S2 and tube  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | OFF     | 2008/03/04<br>11:07 |
| S4   | 417     | S3 and olefins   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | ON      | 2008/03/04<br>11:08 |
| S6   | 17465   | flexural adj modulus   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | ON      | 2008/03/04<br>11:08 |
| S8   | 52      | S4 and S6  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | ON      | 2008/03/04<br>11:09 |
| S9   | 101891  | polypropylene and<br>tube                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | OFF     | 2008/03/04<br>13:41 |
| S10  | 15402   | S9 and olefin  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | ON      | 2008/03/04<br>13:42 |
| S11  | 20      | heterophase adj<br>polypropylene                             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | ON      | 2008/03/04<br>13:44 |
| S12  | 2342644 | thickness  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | OFF     | 2008/03/04<br>14:08 |
| S13  | 9416    | S10 and S12  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | OFF     | 2008/03/04<br>14:08 |
| S14  | 17465   | flexural adj modulus   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | ON      | 2008/03/04<br>14:12 |
| S15  | 564     | S13 and S14  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | OFF     | 2008/03/04<br>14:12 |
| S16  | 117272  | polypropylenes and<br>tube                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND                 | ON      | 2008/03/04<br>15:38 |

| S17         | 18114   | S16 and olefins                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/04<br>15:39 |
|-------------|---------|--------------------------------|--|-----|-----|---------------------|
| S18         | 11158   | S17 and thickness              | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/04<br>15:39 |
| S19         | 728     | S18 and S14                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/04<br>15:39 |
| S20         | 2951379 | mix or mixture or<br>blend     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/04<br>15:42 |
| S21         | 717     | S20 and S19                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/04<br>15:42 |
| S22         | 4       | ("5733617"  <br>"6159566").PN. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/04<br>16:29 |
| S23         | 348     | dispersion adj factor          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>08:05 |
| S24         | 17470   | flexural adj modulus           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/05<br>08:05 |
| S25         | 4       | S23 and S24                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>08:05 |
| S26         | 0       | S23 near rigid                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>08:18 |
| S27         | 348     | \$23                           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/05<br>08:19 |
| S28         | 0       | S23 near flexibility           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/05<br>08:19 |
| <b>S2</b> 9 | 25      | S23 and polypropylene          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | ON  | 2008/03/05<br>08:19 |
| S30         | 2       | "20030194521"                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>11:02 |
| S31         | 220     | evacuation adj orifice         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>14:20 |
| S32         | 1940648 | S31 or head                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>14:20 |

| S33         | 292650 | S32 and ring       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>14:21 |
|-------------|--------|--------------------|--|-----|-----|---------------------|
| S34         | 87995  | S33 and tube       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>14:21 |
| <b>S</b> 35 | 15331  | S34 and neck       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>14:23 |
| S36         | 9113   | S35 and wall       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>14:23 |
| S37         | 132    | S36 and toothpaste | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>14:23 |
| S38         | 283    | 206/277            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>15:16 |
| S39         | 3676   | nozzle and reducer | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>16:33 |
| S40         | 1543   | S39 and tube       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>16:33 |
| S41         | 414    | S40 and injection  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>16:33 |
| S42         | 0      | S41 and S38        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>16:33 |
| S43         | 0      | S40 and S38        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>16:33 |
| S44         | 0      | S39 and S38        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>16:33 |
| S45         | 14     | S41 and polyolefin | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/05<br>16:37 |
| S46         | 53     | dambricourt        | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>08:46 |
| S47         | 51534  | reducer            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:02 |
| S48         | 3679   | nozzle and reducer | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:03 |

| S49 | 1544   | S48 and tube   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:03 |
|-----|--------|--|--|-----|-----|---------------------|
| S50 | 414    | S49 and injection  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:03 |
| S51 | 103    | S50 and (polyolefin or polyethylene or polypropylene)    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:03 |
| S52 | 659368 | (securing adj means)<br>or cap or (capping adj<br>means) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:20 |
| S53 | 4286   | S52 near nozzle  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:20 |
| S54 | 751    | S53 and injection  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:22 |
| S55 | 50     | asymmetric adj thread                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:27 |
| S56 | 0      | S54 and S55  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:27 |
| S57 | 285    | S54 and (screw or thread)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>09:27 |
| S58 | 659368 | (securing adj means)<br>or cap or (capping adj<br>means) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>15:55 |
| S59 | 4286   | S58 near nozzle  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>15:55 |
| S60 | 1066   | S59 and (screw or thread)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>15:55 |
| S61 | 518    | S60 and single   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>15:55 |
| S62 | 197    | S61 and mold\$2  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/03/06<br>15:56 |
| S63 | 1      | "10542935"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>11:33 |
| S64 | 6      | "6695169" or<br>"6159566"                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>11:52 |

| S65 | 11756   | generatrix                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | and | OFF | 2008/09/24<br>14:27 |
|-----|---------|------------------------------|--|-----|-----|---------------------|
| S66 | 2468    | S65 and tube                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>14:27 |
| S67 | 2390555 | (angle or incline)           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>14:27 |
| S68 | 1253    | S66 and S67                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>14:27 |
| S69 | 1075    | S68 and (axial or direction) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>14:28 |
| S70 | 1043    | generatrix near3 angle       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>14:31 |
| S71 | 201     | S70 and tube                 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | AND | OFF | 2008/09/24<br>14:31 |

<sup>9/24/2008 4:59:04</sup> PM

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